

## Section 5.6. Precipitation

### 5.6.1. Protection from Precipitation

#### 5.6.1.1. Required Protection from Precipitation

(See Note A-5.6.1.1.)

- 1) Where a *building* component or assembly is exposed to precipitation, the component or assembly shall
  - a) minimize ingress of precipitation into the component or assembly, and
  - b) prevent ingress of precipitation into interior space.
- 2) Deleted.

#### 5.6.1.2. Installation of Protective Materials

(See Note A-5.6.1.2.)

- 1) Where protective materials are applied to assemblies to provide the required protection from precipitation, they shall be installed so as to shed precipitation or otherwise minimize its entry into the assembly and prevent its penetration through the assembly. (See Note A-5.6.1.2.(1).) (See also Clause 5.3.1.2.(1)(d).)
- 2) Where protective materials applied to assemblies to provide the required protection from precipitation are part of a vegetated roofing system, they shall be resistant to root and rhizome penetration when tested in accordance with ANSI/GRHC/SPRI VR-1, “Investigating Resistance to Root Penetration on Vegetative Roofs.” (See Note A-5.6.1.2.(2).)
- 3) Flashings, drips, or overhangs shall be incorporated to deflect accumulated water from the *building* face where there are changes in planes of walls and roofs, changes in cladding material, or window or door heads or sills. (See Note A-5.6.1.2.(3).)

### 5.6.2. Drainage, Accumulation and Disposal

#### 5.6.2.1. Drainage

(See Note A-5.6.2.1.)

- 1) Materials, components, assemblies, joints in materials, junctions between components and junctions between assemblies exposed to precipitation shall be
  - a) designed to shed precipitation, and
  - b) drained to direct precipitation to the exterior.
- 2) Deleted.

#### 5.6.2.2. Accumulation and Disposal

- 1) Where water, snow or ice can accumulate on a *building*, provision shall be made to minimize the likelihood of hazardous conditions arising from such accumulation.
- 2) Where precipitation can accumulate on sloped or horizontal assemblies, provision shall be made for drainage conforming with Article 2.4.10.4. of Division B of Book II (Plumbing Systems) of this By-law.
- 3) Where downspouts are provided and are not connected to a sewer, provisions shall be made to
  - a) divert the water from the *building*, and
  - b) prevent *soil* erosion.
- 4) Junctions between vertical assemblies, and sloped or horizontal assemblies, shall be designed and constructed to minimize the flow of water from the sloped or horizontal assembly onto the vertical assembly.
- 5) Where a roof or balcony is entirely enclosed by parapet walls, there shall be a sufficient number of overflow outlets installed in the parapet walls in order to properly drain the roof or balcony in the event that any rainwater conductors become obstructed. (See Note A-5.6.2.2.(5).)